IN THE CLAIMS:

This listing of claims will replace all prior versions, and listings of claims in the application:

1. (Currently amended) Apparatus for processing video comprising:

a segmenter for segmenting video sequences into a plurality of video segments;

a video processor for processing the video segments of the video sequences, [[and]] identifying common attributes between video segments, and tracking the identified common attributes through the plurality of processed video segments; and

a database for storing processed segments of the video sequences, where the ~~identified common attributes are tracked through the plurality of processed video segments~~ stored processed segments comprise video segments having the tracked identified common attributes.

2. (Original) The apparatus of claim 1 further comprising:

a DVD authoring tool.

3. (Original) The apparatus of claim 2 wherein said DVD authoring tool provides interactive links between video segments.

4. (Original) The apparatus of claim 3 wherein said interactive links are based upon at least one attribute of said video segments.

5. (Original) The apparatus of claim 1 further comprising:

a web page authoring tool.

6. (Original) The apparatus of claim 5 wherein said web page authoring tool provides interactive links between video segments.

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7. (Original) The apparatus of claim 6 wherein said interactive links are based upon at least one attribute of said video segments.

8. (Original) The apparatus of claim 1 further comprising:

a low resolution video compresser; and

a high resolution video compresser.

9. (Previously presented) The apparatus of claim 8 further comprising:

a temporary storage, coupled to at least one video compresser, for storing said video sequence.

10. (Previously presented) The apparatus of claim 1 wherein said video processor further comprises:

a signal enhancer, coupled to a temporary storage, for enhancing the video sequence.

11. (Original) The apparatus of claim 10 wherein the signal enhancer comprises one or more circuits selected from the group of circuits comprising noise reduction, resolution enhancement, image stabilization, deinterlacing, and brightness and color control.

12. (Currently amended) A method of image processing comprising:

segmenting a video sequence into a plurality of video clips;

processing ~~storing~~ said video clips of the video sequence ~~in a database with an associated unique identifier,~~ [[and]] identifying common attributes between video clips, and tracking the identified common attributes through the plurality of video clips;

storing said video clips in said database such that the stored video clips comprise video clips having the tracked identified common attributes ~~are tracked through the plurality of processed video segments~~; and

indexing said stored video.

13. (Original) The method of claim 12 further comprising:

accessing said database using a web page authoring tool to organize said video

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clips.

14. (Currently amended) The method of claim 13 wherein said ~~links are~~ tracking is interactive and [[are]] is provided by said web page authoring tool.

15. (Previously presented) The method of claim 14 wherein said interactive links are based upon at least one attribute of the video clips.

16. (Previously presented) The method of claim 12 further comprising:

compressing said video clips and said video sequence using a high resolution compressor; and

a DVD authoring tool for organizing said compressed video clips and video sequence onto a DVD.

17. (Currently amended) The method of claim 16 wherein said ~~links are~~ tracking is interactive between compressed video clips and [[are]] is provided by said DVD authoring tool.

18. (Previously presented) The method of claim 17 wherein said interactive links are based upon at least one attribute of the compressed video clips.

19. (Original) The method of claim 12 further comprising:

adding ancillary data to said video clips.

20. (Original) The method of claim 19 wherein the ancillary data is an annotation.

21. (Original) The method of claim 19 wherein the ancillary data is an index to other video clips having similar attributes.

22. (Original) The method of claim 12 further comprising:

enhancing the stored video clips.

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23. (Original) The method of claim 22 wherein said enhancing further comprises:
reducing image noise in said video clips.

24. (Previously presented) A method of image processing comprising:
segmenting a video sequence into video clips;
storing said video clips in a database with an associated unique identifier;
storing said video clips in said database;
indexing said stored video; and
enhancing the stored video clips, wherein said enhancing further comprises:
reducing image noise in said video clips, wherein said step of reducing image noise further comprises:
aligning images in an image sequence within the video clip;
averaging pixels in said aligned images over time;
performing a temporal fast Fourier transform on said averaged pixels to produce a control signal;
controlling a filter using said control signal; and
filtering said image sequence.

25. (Previously presented) A method of image processing comprising:
segmenting a video sequence into video clips;
storing said video clips in a database with an associated unique identifier;
storing said video clips in said database;
indexing said stored video; and
enhancing the stored video clips, wherein said enhancing step further comprises:
deinterlacing images in said video clip.

26. (Original) The method of claim 25 wherein said deinterlacing step further comprises:
aligning a first image field to a second image field of an interlaced scanned image sequence within said video clip to produce a flow field;
adding a one-half pixel vertical motion to said flow field;
warping said second image field using said flow field;
interleaving said warped second field with said first field;

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outputting a progressively scanned frame.

27. (Original) A method of deinterlacing an image sequence comprising:

aligning a first image field to a second image field of an interlaced scanned image sequence to produce a flow field;

adding a one-half pixel vertical motion to said flow field;

warping said second image field using said flow field;

interleaving said warped second field with said first field;

outputting a progressively scanned frame.

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